

## WEST Search History

DATE: Monday, April 24, 2006

Hide?	Set Name	Query	Hit Count
		<i>DB=PGPB; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	<del>L4</del>	<del>US-20040214294-A1.did.</del>	1
<input type="checkbox"/>	<del>L3</del>	<del>US-20040214294-A1.did.</del>	1
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L2	L1 and galP	25
<input type="checkbox"/>	L1	galactose and permease	474

END OF SEARCH HISTORY

## WEST Search History (Inventor Search)

DATE: Monday, April 24, 2006

Hide?	Set Name	Query	Hit Count
		<i>DB=PGPB; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L5	US-20040214294-A1.did.	1
<input type="checkbox"/>	L4	US-20040214294-A1.did.	1
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L3	L2 and (mechthild or rieping)	2
<input type="checkbox"/>	L2	L1 and GalP	25
<input type="checkbox"/>	L1	galactose and permease	474

END OF SEARCH HISTORY



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for #34 and overproduction

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- Search History will be lost after eight hours of inactivity.
- To combine searches use # before search number, e.g., #2 AND #6.
- Search numbers may not be continuous; all searches are represented.
- Click on query # to add to strategy

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## Search

## Most Recent Queries

Time Result

<a href="#">#39</a> Search #34 and overproduction	13:44:08	<a href="#">0</a>
<a href="#">#38</a> Search #34 and overprod	13:44:02	<a href="#">0</a>
<a href="#">#37</a> Search #34 and threonine	13:43:28	<a href="#">0</a>
<a href="#">#36</a> Search #34 and overexpression	13:42:57	<a href="#">1</a>
<a href="#">#35</a> Search #34 and overexpress	13:42:50	<a href="#">0</a>
<a href="#">#34</a> Search #33 and coli	13:42:15	<a href="#">30</a>
<a href="#">#33</a> Search #32 and galP	13:41:57	<a href="#">35</a>
<a href="#">#32</a> Search galactose and permease	13:41:44	<a href="#">932</a>
<a href="#">#31</a> Search thrABC	13:41:04	<a href="#">2</a>
<a href="#">#29</a> Search #28 and tdh	13:39:53	<a href="#">12</a>
<a href="#">#28</a> Search #27 and coli	13:39:30	<a href="#">36</a>
<a href="#">#27</a> Search threonine dehydrogenase	13:39:16	<a href="#">93</a>

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Apr 19 2006 11:55:52

STN search summary  
10/812315

=> d his

(FILE 'HOME' ENTERED AT 14:34:39 ON 24 APR 2006)

FILE 'CAPLUS' ENTERED AT 14:34:47 ON 24 APR 2006

L1 942 S/GALP  
L2 207 S GALACTOSE AND PERMEASE  
L3 13 S L1 AND L2  
L4 1932 S THREONINE AND DEHYDROGENASE  
L5 481 S TDH  
L6 80 S L4 AND L5  
L7 67 S L6 AND COLI  
L8 60 S THRABC  
L9 55 S L8 AND THREONINE  
L10 54 S L9 AND COLI  
L11 54 S L10 AND (OVEREXP? OR AMINO OR THREONINE)  
L12 0 S L3 AND L7  
L13 0 S L3 AND L11

galp or (galactose (A) permease)  
(and)  
Escherichia or coli

=> d L3 1-13

L3 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2005:1335889 CAPLUS  
DN 144:272707  
TI Expression of galactose permease and pyruvate  
carboxylase in Escherichia coli ptsG mutant increases the growth rate and  
succinate yield under anaerobic conditions  
AU Wang, Qingzhao; Wu, Chanyuan; Chen, Tao; Chen, Xun; Zhao, Xueming  
CS Department of Biochemical Engineering, School of Chemical Engineering and  
Technology, Tianjin University, Tianjin 300072, Peop. Rep. China  
SO Biotechnology Letters (2006), 28(2), 89-93  
CODEN: BILED3; ISSN: 0141-5492  
PB Springer  
DT Journal  
LA English  
RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2004:665499 CAPLUS  
DN 141:394135  
TI Metabolic engineering and protein directed evolution increase the yield of  
L-phenylalanine synthesized from glucose in Escherichia coli  
AU Baez-Viveros, Jose Luis; Osuna, Joel; Hernandez-Chavez, Georgina; Soberon,  
Xavier; Bolivar, Francisco; Gosset, Guillermo  
CS Departamento de Ingenieria Celular y Biocatalisis, Instituto de  
Biotecnologia, Universidad Nacional Autonoma de Mexico, Morelos, 62250,  
Mex.  
SO Biotechnology and Bioengineering (2004), 87(4), 516-524  
CODEN: BIBIAU; ISSN: 0006-3592  
PB John Wiley & Sons, Inc.  
DT Journal  
LA English  
RE.CNT 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2004:177143 CAPLUS  
DN 140:353571  
TI In silico and transcriptional analysis of carbohydrate uptake systems of  
Streptomyces coelicolor A3(2)  
AU Bertram, Ralph; Schlicht, Maximilian; Mahr, Kerstin; Nothhaft, Harald;  
Saier, Milton H., Jr.; Titgemeyer, Fritz  
CS Lehrstuhl fuer Mikrobiologie, Friedrich-Alexander-Universitaet  
Erlangen-Nuernberg, Erlangen, 91058, Germany  
SO Journal of Bacteriology (2004), 186(5), 1362-1373  
CODEN: JOBAAY; ISSN: 0021-9193  
PB American Society for Microbiology  
DT Journal  
LA English  
RE.CNT 66 THERE ARE 66 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2003:643336 CAPLUS  
DN 139:291159

TI Altered Glucose Transport and Shikimate Pathway Product Yields in E. coli  
AU Yi, Jian; Draths, K. M.; Li, Kai; Frost, J. W.  
CS Department of Chemistry, Michigan State University, East Lansing, MI,  
48824, USA  
SO Biotechnology Progress (2003), 19(5), 1450-1459  
CODEN: BIPRET; ISSN: 8756-7938  
PB American Chemical Society  
DT Journal  
LA English  
RE.CNT 52 THERE ARE 52 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2003:638387 CAPLUS  
DN 139:322360  
TI Expression of galP and glk in a Escherichia coli PTS mutant  
restores glucose transport and increases glycolytic flux to fermentation  
products  
AU Hernandez-Montalvo, Veronica; Martinez, Alfredo; Hernandez-Chavez,  
Georgina; Bolivar, Francisco; Valle, Fernando; Gosset, Guillermo  
CS Departamento de Microbiologia Molecular, Instituto de Biotecnologia,  
Universidad Nacional Autonoma de Mexico, UNAM AP 510-3, Cuernavaca,  
Morelos, 62271, Mex.  
SO Biotechnology and Bioengineering (2003), 83(6), 687-694  
CODEN: BIBIAU; ISSN: 0006-3592  
PB John Wiley & Sons, Inc.  
DT Journal  
LA English  
RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2003:85947 CAPLUS  
DN 138:315512  
TI Characterization, expression, and mutation of the Lactococcus lactis  
galPMKTE genes, involved in galactose utilization via the Leloir  
pathway  
AU Grossiord, Benoit P.; Luesink, Evert J.; Vaughan, Elaine E.; Arnaud,  
Alain; de Vos, Willem M.  
CS NIZO Food Research, Wageningen University, Wageningen, 6703 CT, Neth.  
SO Journal of Bacteriology (2003), 185(3), 870-878  
CODEN: JOBAAY; ISSN: 0021-9193  
PB American Society for Microbiology  
DT Journal  
LA English  
RE.CNT 60 THERE ARE 60 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2002:357255 CAPLUS  
DN 137:106231  
TI Analysis of carbon metabolism in Escherichia coli strains with an inactive  
phosphotransferase system by 13C labeling and NMR Spectroscopy  
AU Flores, S.; Gosset, G.; Flores, N.; de Graaf, A. A.; Bolivar, F.  
CS Departamento de Microbiologia Molecular, Instituto de Biotecnologia,  
Universidad Nacional Autonoma de Mexico, Cuernavaca, 62250, Mex.  
SO Metabolic Engineering (2002), 4(2), 124-137  
CODEN: MEENFM; ISSN: 1096-7176  
PB Elsevier Science  
DT Journal  
LA English  
RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2001:335303 CAPLUS  
DN 136:64949  
TI Genes involved in control of galactose uptake in Lactobacillus  
brevis and reconstitution of the regulatory system in Bacillus subtilis  
AU Djordjevic, Gordana M.; Tchieu, Jason H.; Saier, Milton H., Jr.  
CS Department of Biology, University of California at San Diego, La Jolla,  
CA, 92093, USA  
SO Journal of Bacteriology (2001), 183(10), 3224-3236  
CODEN: JOBAAY; ISSN: 0021-9193  
PB American Society for Microbiology  
DT Journal  
LA English  
RE.CNT 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1997:16305 CAPLUS  
DN 126:55889  
TI Functional characterization of roles of GalR and GalS as regulators of the

gal regulon  
AU Geanacopoulos, Mark; Adhya, Sankar  
CS Lab. of Mol. Biology, National Inst. of Health, Bethesda, MD, 20892-4255,  
USA  
SO Journal of Bacteriology (1997), 179(1), 228-234  
CODEN: JOBAAY; ISSN: 0021-9193  
PB American Society for Microbiology  
DT Journal  
LA English  
RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1981:421052 CAPLUS  
DN 95:21052  
TI Regulation of methyl .beta.-galactoside permease activity in pts  
and crr mutants of Salmonella typhimurium  
AU Postma, Pieter W.; Schuitema, Anja; Kwa, Chunglin  
CS B. C. P. Jansen Inst., Univ. Amsterdam, Amsterdam, Neth.  
SO Molecular and General Genetics (1981), 181(4), 448-53  
CODEN: MGGEAE; ISSN: 0026-8925  
DT Journal  
LA English

L3 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1978:117729 CAPLUS  
DN 88:117729  
TI 2-Deoxygalactose, a specific substrate of the Salmonella typhimurium  
galactose permease: its use for the isolation of  
galP mutants  
AU Nagelkerke, F.; Postma, P. W.  
CS B. C. P. Jansen Inst., Univ. Amsterdam, Amsterdam, Neth.  
SO Journal of Bacteriology (1978), 133(2), 607-13  
CODEN: JOBAAY; ISSN: 0021-9193  
DT Journal  
LA English

L3 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1977:597075 CAPLUS  
DN 87:197075  
TI Location of galP, a gene which specifies galactose  
permease activity, on the Escherichia coli linkage map  
AU Riordan, Claudia; Kornberg, H. L.  
CS Dep. Genet., Univ. Leeds, Leeds, UK  
SO Proceedings of the Royal Society of London, Series B: Biological Sciences  
(1977), 198(1133), 401-10  
CODEN: PRLBA4; ISSN: 0962-8452  
DT Journal  
LA English

L3 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1977:102928 CAPLUS  
DN 86:102928  
TI Galactose transport in Salmonella typhimurium  
AU Postma, P. W.  
CS B. C. P. Jansen Inst., Univ. Amsterdam, Amsterdam, Neth.  
SO Journal of Bacteriology (1977), 129(2), 630-9  
CODEN: JOBAAY; ISSN: 0021-9193  
DT Journal  
LA English

STN search summary  
10/812315

2  
EC  
S

=> d his

(FILE 'HOME' ENTERED AT 13:50:48 ON 24 APR 2006)

FILE 'REGISTRY' ENTERED AT 13:51:01 ON 24 APR 2006

L1 4 S(GALACTOSE PERMEASE / C N)

L2 32 S THREONINE DEHYDROGENASE

L3 1 S L2 AND COLI

L4 0 S THRABC

L5 4 S THREONINE OPERON

FILE 'CAPLUS' ENTERED AT 13:59:24 ON 24 APR 2006

L6 1 S 39279-39-5/RN

FILE 'REGISTRY' ENTERED AT 14:01:41 ON 24 APR 2006

L7 1 S 39279-39-5/RN

SET NOTICE 1 DISPLAY

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FILE 'CAPLUS' ENTERED AT 14:02:10 ON 24 APR 2006

L8 1 S 39279-39-5/RN

FILE 'REGISTRY' ENTERED AT 14:04:54 ON 24 APR 2006

L9 1 S 39279-39-5/RN

L10 1 S 9067-99-6/RN

FILE 'CAPLUS' ENTERED AT 14:05:30 ON 24 APR 2006

L11 1 S L9

L12 226 S L10

L13 55019 S GALACTOSE

L14 3332 S PERMEASE

L15 207 S L13 AND L14

L16 0 S L15 AND ENTEROBACTER?

L17 119 S L15 AND COLI

L18 0 S L17 AND (AMINO AND PRODUCTION AND ISOLATION)

L19 5 S L17 AND THREONINE

L20 13 S L15 AND GALP

L21 60 S THRABC

L22 55 S L21 AND THREONINE

=> d L1 1-4

L1 ANSWER 1 OF 4 REGISTRY COPYRIGHT 2006 ACS on STN

RN 752887-24-4 REGISTRY

ED Entered STN: 27 Sep 2004

CN Galactose transporter (Saccharomyces mikatae strain IFO-1815-(ex-type)  
gene GAL2) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Galactose permease (Saccharomyces mikatae strain IFO-1815-(ex-type)  
gene GAL2)

CN GenBank AAU43755

CN GenBank AAU43755 (Translated from: GenBank AY740034)

FS PROTEIN SEQUENCE

MF Unspecified

CI MAN

SR GenBank

LC STN Files: CA, CAPLUS

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 2 OF 4 REGISTRY COPYRIGHT 2006 ACS on STN

RN 395118-31-7 REGISTRY

ED Entered STN: 25 Feb 2002

CN Galactose-transporting protein (Lactococcus lactis strain MG1363 gene  
gala) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Galactose permease (Lactococcus lactis strain MG1363 gene galP)

CN GenBank CAB44214

CN GenBank CAB44214 (Translated from: GenBank AJ011653)

FS PROTEIN SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 3 OF 4 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 384380-84-1 REGISTRY  
ED Entered STN: 19 Jan 2002  
CN Galactose-hydrogen-ion-cotransporting protein (Lactobacillus brevis gene galP) (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Galactose permease (Lactobacillus brevis gene galP)  
CN GenBank AAK54067  
CN GenBank AAK54067 (Translated from: GenBank AF343445)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 4 OF 4 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 39279-39-5 REGISTRY \*  
\* Use of this CAS Registry Number alone as a search term in other STN files may result in incomplete search results. For additional information, enter HELP RN\* at an online arrow prompt (=>).  
ED Entered STN: 16 Nov 1984  
CN Proteins, specific or class, galactose-transporting (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Transport proteins, galactose transporter  
CN Transport proteins, galactose-transporting  
OTHER NAMES:  
CN Galactose permease  
CN Galactose transporters  
CN Permease, galactose  
MF Unspecified  
CI MAN, CTS  
LC STN Files: AGRICOLA, BIOSIS, CA, CAPLUS, MEDLINE, TOXCENTER

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d L8

L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1986:201445 CAPLUS  
DN 104:201445  
TI GAL2 codes for a membrane-bound subunit of the galactose permease in Saccharomyces cerevisiae  
AU Tschopp, Juerg F.; Emr, Scott D.; Field, Charles; Schekman, Randy  
CS Dep. Biochem., Univ. California, Berkeley, CA, USA  
SO Journal of Bacteriology (1986), 166(1), 313-18  
CODEN: JOBAAAY; ISSN: 0021-9193  
DT Journal  
LA English

=> d L19 1-5

L19 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2004:201395 CAPLUS  
DN 140:248119  
TI Genome-wide gene expression analysis with DNA chips for the characterization of glucose-overflow metabolism in Escherichia coli  
AU Polen, Tino  
CS Germany  
SO Schriften des Forschungszentrums Juelich, Lebenswissenschaften/Life Sciences (2003), 5, a, 1-101  
CODEN: SFLSF9; ISSN: 1433-5549  
PB Forschungszentrum Juelich GmbH  
DT Journal  
LA German  
RE.CNT 139 THERE ARE 139 CITED REFERENCES AVAILABLE FOR THIS RECORD



ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2000:679263 CAPLUS  
 DN 134:188814  
 TI Re-annotating the Mycoplasma pneumoniae genome sequence: adding value, function and reading frames  
 AU Dandekar, Thomas; Huynen, Martijn; Regula, Jorg Thomas; Ueberle, Barbara; Zimmermann, Carl Ulrich; Andrade, Miguel A.; Doerks, Tobias; Sanchez-Pulido, Luis; Snel, Berend; Suyama, Mikita; Yuan, Yan P.; Herrmann, Richard; Bork, Peer  
 CS EMBL, Heidelberg, D-69012, Germany  
 SO Nucleic Acids Research (2000), 28(17), 3278-3288  
 CODEN: NARHAD; ISSN: 0305-1048  
 PB Oxford University Press  
 DT Journal  
 LA English  
 RE.CNT 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1995:295502 CAPLUS  
 DN 122:154469  
 TI Protein structural similarities predicted by a sequence-structure compatibility method  
 AU Matsuo, Yo; Nishikawa, Ken  
 CS Protein Engineering Research Institute, Osaka, 565, Japan  
 SO Protein Science (1994), 3(11), 2055-63  
 CODEN: PRCIEI; ISSN: 0961-8368  
 PB Cambridge University Press  
 DT Journal  
 LA English

L19 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1989:568409 CAPLUS  
 DN 111:168409  
 TI Sequence and structure of the yeast galactose transporter  
 AU Szkutnicka, Krystyna; Tschopp, Juerg F.; Andrews, Lori; Cirillo, Vincent P.  
 CS Dep. Biochem., State Univ. New York, Stony Brook, NY, 11794, USA  
 SO Journal of Bacteriology (1989), 171(8), 4486-93  
 CODEN: JOBAAY; ISSN: 0021-9193  
 DT Journal  
 LA English

L19 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1970:40054 CAPLUS  
 DN 72:40054  
 TI L-arabinose binding protein and arabinose permeation in Escherichia coli  
 AU Schleif, Robert  
 CS Harvard Univ., Cambridge, MA, USA  
 SO Journal of Molecular Biology (1969), 46(1), 185-96  
 CODEN: JMOBAK; ISSN: 0022-2836  
 DT Journal  
 LA English

=> d L20 1-13

L20 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2005:1335889 CAPLUS  
 DN 144:272707  
 TI Expression of galactose permease and pyruvate carboxylase in Escherichia coli ptsG mutant increases the growth rate and succinate yield under anaerobic conditions  
 AU Wang, Qingzhao; Wu, Chanyuan; Chen, Tao; Chen, Xun; Zhao, Xueming  
 CS Department of Biochemical Engineering, School of Chemical Engineering and Technology, Tianjin University, Tianjin, 300072, Peop. Rep. China  
 SO Biotechnology Letters (2006), 28(2), 89-93  
 CODEN: BILED3; ISSN: 0141-5492  
 PB Springer  
 DT Journal  
 LA English  
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L20 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2004:665499 CAPLUS  
 DN 141:394135  
 TI Metabolic engineering and protein directed evolution increase the yield of

L-phenylalanine synthesized from glucose in Escherichia coli  
AU Baez-Viveros, Jose Luis; Osuna, Joel; Hernandez-Chavez, Georgina; Soberon, Xavier; Bolivar, Francisco; Gosset, Guillermo  
CS Departamento de Ingenieria Celular y Biocatalisis, Instituto de Biotecnologia, Universidad Nacional Autonoma de Mexico, Morelos, 62250, Mex.  
SO Biotechnology and Bioengineering (2004), 87(4), 516-524  
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PB John Wiley & Sons, Inc.  
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L20 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2004:177143 CAPLUS  
DN 140:353571  
TI In silico and transcriptional analysis of carbohydrate uptake systems of Streptomyces coelicolor A3(2)  
AU Bertram, Ralph; Schlicht, Maximilian; Mahr, Kerstin; Nothhaft, Harald; Saier, Milton H., Jr.; Titgemeyer, Fritz  
CS Lehrstuhl fuer Mikrobiologie, Friedrich-Alexander-Universitaet Erlangen-Nuernberg, Erlangen, 91058, Germany  
SO Journal of Bacteriology (2004), 186(5), 1362-1373  
CODEN: JOBAA; ISSN: 0021-9193  
PB American Society for Microbiology  
DT Journal  
LA English  
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AN 2003:643336 CAPLUS  
DN 139:291159  
TI Altered Glucose Transport and Shikimate Pathway Product Yields in E. coli  
AU Yi, Jian; Draths, K. M.; Li, Kai; Frost, J. W.  
CS Department of Chemistry, Michigan State University, East Lansing, MI, 48824, USA  
SO Biotechnology Progress (2003), 19(5), 1450-1459  
CODEN: BIPRET; ISSN: 8756-7938  
PB American Chemical Society  
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AN 2003:638387 CAPLUS  
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TI Expression of galP and glk in a Escherichia coli PTS mutant restores glucose transport and increases glycolytic flux to fermentation products  
AU Hernandez-Montalvo, Veronica; Martinez, Alfredo; Hernandez-Chavez, Georgina; Bolivar, Francisco; Valle, Fernando; Gosset, Guillermo  
CS Departamento de Microbiologia Molecular, Instituto de Biotecnologia, Universidad Nacional Autonoma de Mexico, UNAM AP 510-3, Cuernavaca, Morelos, 62271, Mex.  
SO Biotechnology and Bioengineering (2003), 83(6), 687-694  
CODEN: BIBIAU; ISSN: 0006-3592  
PB John Wiley & Sons, Inc.  
DT Journal  
LA English  
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L20 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2003:85947 CAPLUS  
DN 138:315512  
TI Characterization, expression, and mutation of the Lactococcus lactis galPMKTE genes, involved in galactose utilization via the Leloir pathway  
AU Grossiord, Benoit P.; Luesink, Evert J.; Vaughan, Elaine E.; Arnaud, Alain; de Vos, Willem M.  
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